DANIEL AVDIU

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EDUCATION

EPOKA UNIVERSITY
Bachelor of Science in Computer Engineering (BSc)
GPA: 4.0/4.0; President's List 2020-2023

Relevant Coursework: Data Structures, C Programming, Object-Oriented Programming, Database Management Systems, Artificial Intelligence, Computer Networks, Parallel Programming, Data Mining, Web Technologies and Programming, Operating Systems, Software Engineering, Digital Design, Digital Multimedia

PROFESSIONAL EXPERIENCE

KREATX SOFTWARE SOLUTIONS   Tirana, Albania
.NET/C# Intern   January 2023 - April 2023
- Used REST APIs and MVC to develop web applications
- Completed a series of tasks with the main focus in REST API structures and Microsoft Sql Server in order to deliver the tasks

EPOKA UNIVERSITY RESEARCH LABORATORIES   Tirana, Albania
VR/AR Research Intern   October 2022 - April 2023
- Performed research with VR and AR technologies with the main goal of using those technologies in the education system
- Technologies used include Unity, C# and Blender for the 3D modeling of objects.

EPOKA UNIVERSITY FACULTY   Tirana, Albania
Programming Tutor/Mentor   October 2022 - June 2023
- Gave in-person instructions to 15 students and developed learning plans to improve student experience
- The main coursework consisted of Data Structures and Object-Oriented Programming with programming languages such as Java and Python

PROJECTS

IMAGE PROCESSING WITH DEEP LEARNING
- Applied machine learning with Python and TensorFlow to differentiate between cell and non-cell instances in skin cancer cell images
- Used U-Net structure to train the machine learning model, with several modifications to the original base model

3D WEBSITE PORTFOLIO
- The technologies used in building this website are React JS and Tailwind CSS, with incorporating 3D model objects with React JS

INTERACTIVE HEALTHCARE WEBSITE
- The front-end of this website consists of React JS and Tailwind CSS. It serves the purpose of an informational website for people with specific disorders and also as a database or repository to get the latest updates where people can contribute themselves
- Firebase is used for the backend of the website, the data is stored in files

DESKTOP APPLICATION FOR STORE MANAGEMENT
- Desktop application with Java and JavaFX. The front-end is built with Java, JavaFX and CSS. The functionality relies mainly on Java, by storing the data in files, utilizing the Object-Oriented Programming concepts

ACHIEVEMENTS

iCCECE RESEARCH PAPER   Swansea, United Kingdom
Co-Author in IEEE research paper   August 2023
- Co-Author in the research paper titled "Evaluation of Cell Segmentation Using Pruning and Quantization"
- Presented at the iCCECE conference in Swansea, United Kingdom

CO-AUTHOR RESEARCH PAPER   Tirana, Albania
Co-Author in CEO research paper   2022
- Research paper titled "A Statistical Method to Estimate an Unknown Price in Financial Markets"

ADDITIONAL SKILLS

Technical Skills: Java, Python, C, JavaScript, React JS, HTML, CSS, PHP, SQL, Git, DBMS
Languages: English (Native & Bilingual), Albanian (Native & Bilingual), Turkish (Conversational), Italian (Conversational)
Certifications & Training: NDG Linux Essentials, JavaScript Algorithms and Data Structures, Bash Scripting & Commands, Foundational C# with Microsoft
Awards & Clubs: VR and programming club, Google Developer Student Club, 3rd place in GENIUS Olympiad (New York)